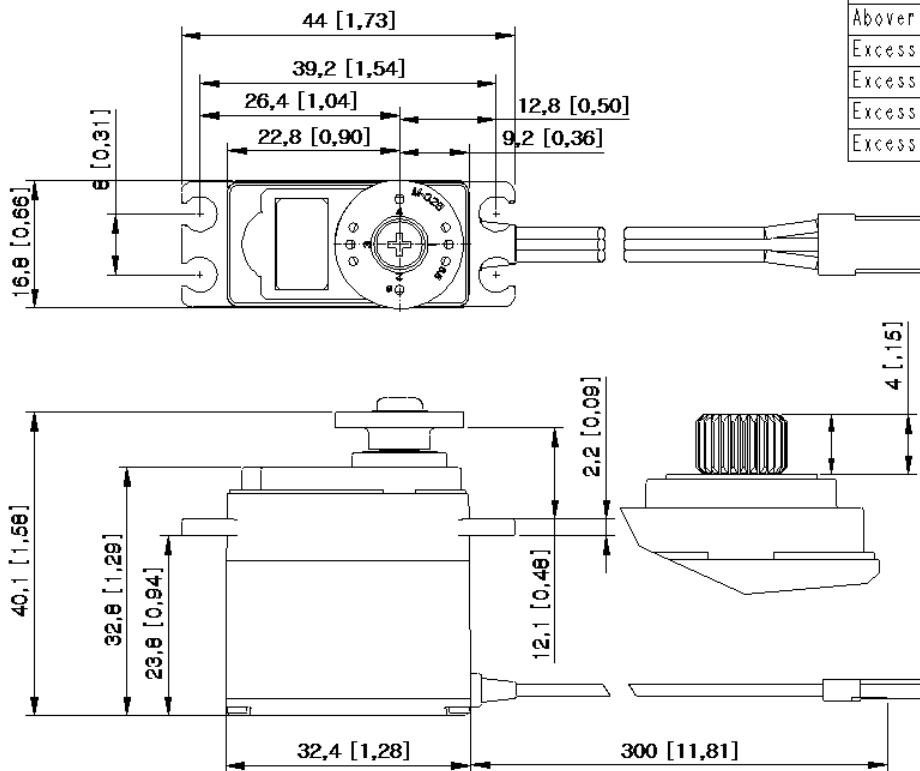


MD245MW General Specification.



CORELESS DIGITAL MINI SERVO

Control system	PWM			-
Position sensor type	Contactless Magnetic Encoder			-
Operating voltage range	4.8 ~ 7.4 V			-
Motor type	Coreless Metal Brush			-
Voltage	4.8V	6.0V	7.4V	At 25°C, 45% ($\pm 10\%$) measurement environment
No load speed	0.17sec/60°	0.13sec/60°	0.11sec/60°	
Stall torque	4.2 kgf·cm(58.33oz·in)	5.2 kgf·cm(72.21oz·in)	6.4 kgf·cm(88.88oz·in)	
Standing current	30mA	30mA	30mA	
No load running current	110mA	150mA	190mA	
Stall current	1,000mA	1,300mA	1,600mA	
Dead band width	2usec	2usec	2usec	
Operating travel	$\pm 40^\circ$ /One side pulse traveing 400usec			
Operating temperature range	-20°C ~ +60°C (-4°F ~ +140°F)			-
Vibrations at no load	-			-
Storage temperature range	-30°C ~ +80°C (-31°F ~ +176°F)			-
Connector wire length	300mm (11.81inch)			 <ul style="list-style-type: none"> 1. SIGNAL 2. VCC 3. GND
Connector wire gauge	22AWG			
Dimensions	32.4 mm x 16.8 mm x 32.8 mm (1.27inch x 0.66inch x 1.29inch)			Refer to the tolerance information
Weight	32.3 g(1.14oz)			Excluding the weight of Horn
Ball bearing	2 Ball Bearing			-
Case material	Engineering plastic			-
Gear material	1 Metal-Plastic & 3 Metal			-
Gear train backlash	Max 0.5°			-
Horn gear spline	25T($\varnothing 6$)			-
IP rate	-			-
Servo Amplifier type	32bit programmable Digital			-
Features				
Applications				



Tolerance ,Unless Otherwise stated is	
Above 0.5 to and Including 9.0	± 0.05
Excess 9 to and Including 120	± 0.1
Excess 120 to and Including 315	± 0.2
Excess 315 to and Including 1000	± 1
Excess 1000 to and Including 2000	± 2

1:1 scale (unit : mm)



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